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DIALOG(R)File 351:Derwent WPI

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Blood pressure inhibitory compsn. useful for preventing hypertension - includes potassium and caseinoglycopeptide

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6345664	A	19941220	JP 93140868	A	19930611	199510 B

Priority Applications (No Type Date): JP 93140868 A 19930611

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 6345664	A		4 A61K-037/16	

Abstract (Basic): JP 6345664 A

Compsn. against increase of blood pressure, comprises caseinoglycopeptide (CGP) (and potassium).

Also claimed are food and fodder contg. the compsn(s).

Pref CGP is obtd from cheese whey, whey protein, or whey mineral, and is prepd. by (i) adjusting starting material at pH 3-6, heating, cooling and adding alcohol (pref. ethanol) (ii) centrifuging mixt. and subjecting supernatant to ion exchange chromatography; and (iii) concentrating adsorbed and eluted liquid.

USE/ADVANTAGE - Used as medical agent or food for prevention of hypertension. CGP has inhibitory activity against increase in blood pressure, and is safe because it is derived from whey. Daily dosage for an adult is 1-10 g. The compsn. is formulated into tablets, pills, powder, liquid, granules and capsules. Suitable form of food for CGP is candy, ice cream, yoghurt and sports drink.

In an example, 15 male SHR (5 week old) were divided into 2 gps. (7 SHR of control gp. and 8 SHR of CGP gp.), and control gp. was given 5.7 % NaCl and 1.92 % KCl contg. powder fodder, and CGP/day/rat. Their wt. and blood pressure were measured once a week. The results showed that the significant weight difference between the two gps. was not found, but difference in blood pressure between two gps. after 5 weeks was significant: control gp. 235 +/- 8, and CGP gp. 219 +/- 10 mm Hg.

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-----Title-Terms: BLOOD; PRESSURE; INHIBIT; COMPOSITION; USEFUL; PREVENT; HYPERTENSIVE; POTASSIUM; GLYCOPEPTIDE

Derwent Class: B04; D13

International Patent Class (Main): A61K-037/16

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